

Miniature



- Miniature size, only .375" diameter
- Wire-wound
- 20 to 25K ohms
- Reliable performance
- Low-cost

MIL-R-19, MIL-E-5272, MIL-R-27208, MIL-STD-202, MIL-STD-105, MIL-STD-129, MIL-STD-130, MIL-STD-726, MIL-P-116, MIL-Q-9858, where applicable.

Standard Resistance Values (ohms): 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 15K, 20K, and 25K; intermediate values available on special order.

This is just one of many standard MINELCO miniature electronic components. Please write today for information on other miniature trimmer potentiometers, relays, rotary switches, and indicators.

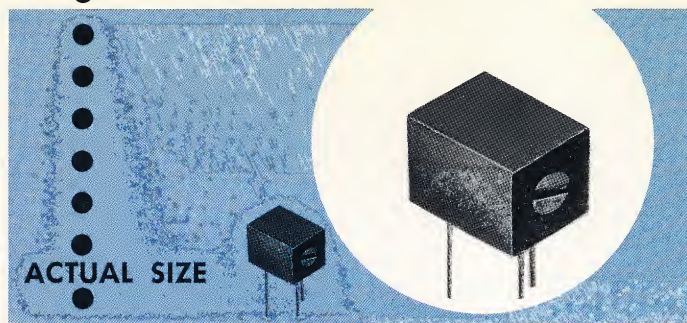


REPRESENTED BY:

Micro-Miniature

POTENTIOMETER

Model MP5



FEATURES:

- Micro-miniature size, only
.250 x .250 x .350"
- Wire-wound
- 20 to 15K ohms
- Low-cost
- Dependable performance

The MINELCO Model MP5 is a low-cost, micro-miniature trimmer potentiometer for circuit-board mounting.

The following specifications are applied to the production, packaging, and test procedures of these potentiometers:

MIL-R-19, MIL-E-5272, MIL-R-27208, MIL-STD-202, MIL-STD-105, MIL-STD-129, MIL-STD-130, MIL-STD-726, MIL-P-116, MIL-Q-9858, where applicable.

ELECTRICAL SPECIFICATIONS:

Standard Resistances Values (ohms): 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, and 15K; intermediate values available on special order.

Resistance Tolerance: $\pm 10\%$, ($\pm 5\%$ available).

End Resistance: 1% or 2 ohms, whichever is greater.

Resolution: 0.25% to 1.5%, depending on resistance value.

Power Rating: 0.25 watt to 50°C, linearly derated to zero at 125°C

Insulation Resistance: Greater than 1000 megohms at 500 volts d-c.

MECHANICAL SPECIFICATIONS:

Size: 0.250 x 0.250 x 0.350"

Weight: 0.03 ounces.

Case: Diallyl phthalate.

Resistance Element: Low-temperature coefficient wire (10PPM).

Wiper: Precious-metal alloy.

Turns: Single.

Rotation: 360° mechanical.

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature: -55°C to $+125^{\circ}\text{C}$

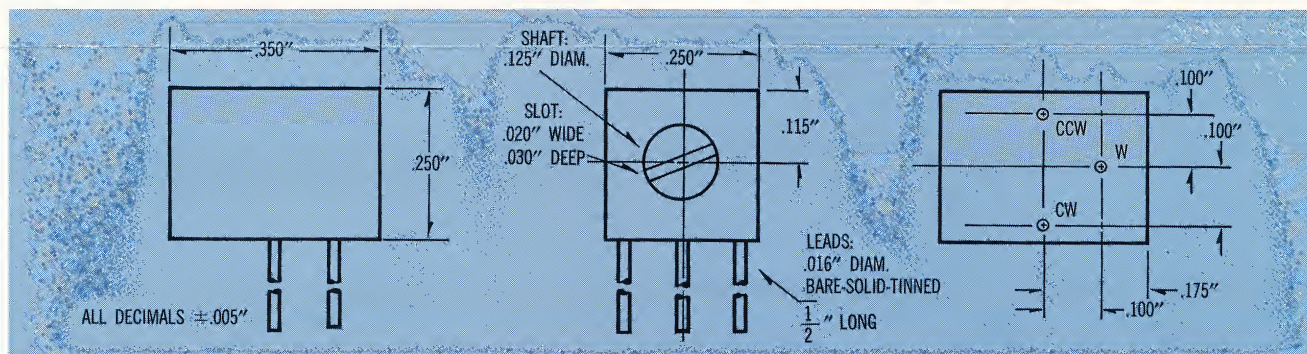
Humidity: Greater than 100 megohms at 95% humidity.

Vibration: 20 G, 30-2000 cps, with no change in setting, and no noise.

Shock: 50 G in three planes.

Modifications, based on the standard construction shown here, can often be furnished to meet special or unusual requirements. For information, write, phone, or TWX.

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MINELCO[®]

MINIATURE ELECTRONIC COMPONENTS CORP.
600 South Street Holbrook, Massachusetts
Tel.: 963-7717, Area 617 TWX: 617-963-7660

REPRESENTED BY:

MINIATURE INDICATOR

Model MI57D

FEATURES:

- No power drain
- Magnetic Latching
- Positive Indication
- Excellent visibility
- Fast response
- High sensitivity

The MINELCO series MI57D is an internal-flag, magnetic-latching indicator that **requires only pulse power for operation**. The flag is positively held in position and will reverse only when a reverse-polarity pulse is applied to the same coil, or a similar polarity pulse is applied to the reset coil.

The small-size indicator has high latching capabilities to provide positive indication under shock and vibration. It will provide fast response in any position and offers excellent visibility in a strong, incident light. The unit is sealed and is impervious to humidity and dust salt spray.

ELECTRICAL SPECIFICATIONS:

Input Voltage: Standard are 28 volts d-c, 12 volts d-c, and 6 volts d-c. Other voltages available on special order.

Coil Resistance: 28 volts d-c = 800 ohms
12 volts d-c = 145 ohms
6 volts d-c = 37 ohms } either coil

Resistance Tolerance: $\pm 10\%$

Pulse Energy required to change indication: 25 mw/sec. maximum at rated voltage.

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature: -65°C to $\pm 125^{\circ}\text{C}$.

Shock: Exceeds 50 G with no false indication.

Vibration: 20 G through excursion 5 to 2,000 cps with no false indication. Constant amplitude is below 60 cps.

NOTE: The indicator should not be mounted near a strong, magnetic field as found with a vibration table. False indication will occur. A steel mounting nut will counteract the effects of the magnetic field when vibration testing.

MECHANICAL SPECIFICATIONS:

Indication: 2 position, black and white standard, other color combinations on special order.

Size: 0.593 diameter x 0.622 length, ± 0.005 ".

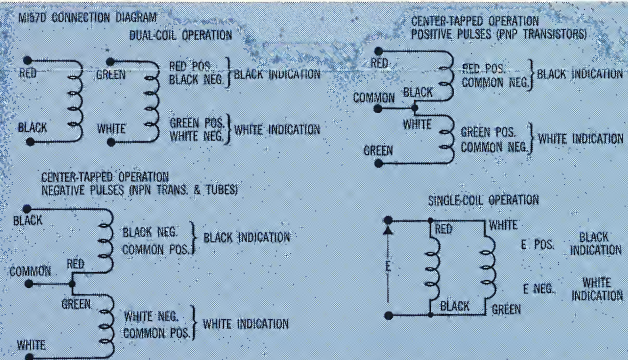
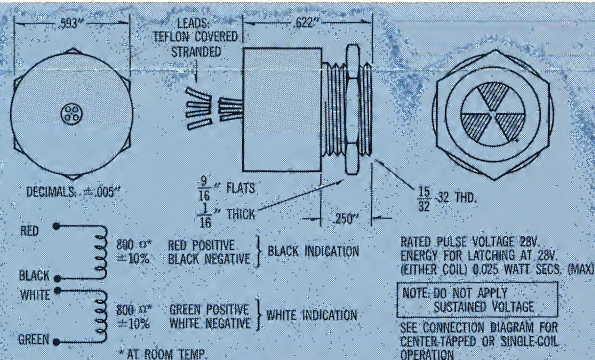
Weight: 0.2 ounce (including standard leads and mounting nut).

Case: Anodized aluminum.

Mounting: Back-of-panel, 15/32-32 thread.

Leads: Teflon insulated, eight inches standard.

MIL-SPECS: MIL-E-5272C (where applicable).



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